

SAFETY DATA SHEET



OASIS 146 MULTI-QUAT SANITIZER

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06 Aug 2013

Section 1. Chemical product and company identification

Product name : OASIS 146 MULTI-QUAT SANITIZER
Recommended use and restrictions : Sanitizer.
Use only for the purpose on the product label.

Product dilution information : Up to 4 oz/gal in water

Supplier's information : Ecolab Inc. Institutional Division
370 N. Wabasha Street
St. Paul, MN 55102
1-800-352-5326

Code : 910787

Date of issue : 06 Aug 2013

EPA Registration No. : 1677-198

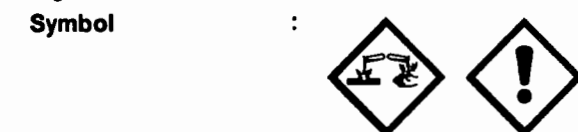
EMERGENCY HEALTH INFORMATION: 1-800-328-0026
Outside United States and Canada CALL 1-651-222-5352 (in USA)

Section 2. Hazards identification

Product AS SOLD
GHS Classification : ACUTE TOXICITY: ORAL - Category 4
SKIN CORROSION/IRRITATION - Category 1B
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1

GHS label elements

Signal word : Danger



Hazard statements : Harmful if swallowed.
Causes severe skin burns and eye damage.

Precautionary statements

Prevention : Wear protective gloves. Wear eye or face protection. Wear protective clothing. Wash hands thoroughly after handling.

Response : IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or physician. IF SWALLOWED: Immediately call a POISON CENTER or physician. Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or physician. IF IN EYES: Rinse cautiously with water for several minutes.

Product AT USE DILUTION
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2B

Warning

Causes eye irritation.

Wash hands thoroughly after handling.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

Section 2. Hazards identification

Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician.

Storage : No other specific measures identified.

Disposal : See section 13 for waste disposal information.

Other hazards : None known.

No other specific measures identified.
See section 13 for waste disposal information.
None known.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Product AS SOLD

Hazardous ingredients	Concentration Range (%)	CAS number
Alkyl (C14, 50%; C12, 40%; C16, 10%)	3	68424-85-1
Dimethyl benzyl ammonium chloride		
Octyl decyl dimethyl ammonium chloride	2.25	32426-11-2
Didecyl dimethyl ammonium chloride	1.35	7173-51-5
Dioctyl dimethyl ammonium chloride	0.9	5538-94-3
ALCOHOL	1 - 5	64-17-5

Product AT USE DILUTION

Within the present knowledge of the supplier, this product does not contain any hazardous ingredients in quantities requiring reporting, in accordance with local regulations.

Section 4. First aid measures

	Product AS SOLD	Product AT USE DILUTION
Eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists.
Skin contact	: Take off immediately all contaminated clothing. Rinse skin with water or shower. Get medical attention immediately. Wash clothing before reuse. Clean shoes thoroughly before reuse.	: No known effect after skin contact. Rinse with water for a few minutes.
Inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention immediately.	: No special measures required. Treat symptomatically.
Ingestion	: Get medical attention immediately. Rinse mouth. Do not induce vomiting.	: Get medical attention if symptoms occur.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.	
Notes to physician	: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.	

See toxicological information (section 11)

Section 5. Fire-fighting measures

Product AS SOLD

Suitable fire extinguishing media : Use water spray, fog or foam.

Specific hazards arising from the chemical : In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous thermal decomposition products : Decomposition products may include the following materials:
 carbon dioxide
 carbon monoxide
 nitrogen oxides
 halogenated compounds

Specific fire-fighting methods : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

<p>Personal precautions : Initiate company's spill response procedures immediately. Keep people out of area. Put on appropriate personal protective equipment (see section 8). Do not touch or walk through spilled material.</p> <p>Environmental precautions : Avoid contact of spilled material and runoff with soil and surface waterways.</p> <p>Methods for cleaning up : Follow company's spill procedures. Keep people away from spill. Put on appropriate personal protective equipment (see section 8). Absorb/neutralize liquid material. Use a tool to scoop up solid or absorbed material and put into appropriate labeled container. Use a tool to scoop up solid or absorbed material and place into appropriate labeled waste container. Use a water rinse for final clean-up.</p>	<p>Product AS SOLD</p>	<p>Product AT USE DILUTION</p> <p>Use personal protective equipment as required.</p> <p>Avoid contact of large amounts of spilled material and runoff with soil and surface waterways.</p> <p>Use a water rinse for final clean-up.</p>
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Section 7. Handling and storage

<p>Handling : Do not ingest. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Use only with adequate ventilation. Wash thoroughly after handling.</p> <p>Storage : Keep out of reach of children. Keep container tightly closed.</p> <p>Store between the following temperatures: 0 and 50°C</p>	<p>Product AS SOLD</p>	<p>Product AT USE DILUTION</p> <p>Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.</p> <p>Keep out of reach of children. Keep container tightly closed.</p>
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Section 8. Exposure controls/personal protection

Ingredient name	Exposure limits
ALCOHOL	ACGIH TLV (United States, 3/2012). STEL: 1000 ppm 15 minutes. OSHA PEL (United States, 6/2010). TWA: 1900 mg/m ³ 8 hours. TWA: 1000 ppm 8 hours. NIOSH REL (United States, 6/2009). TWA: 1000 ppm 10 hours. TWA: 1900 mg/m ³ 10 hours.

<p>Appropriate engineering controls : Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.</p> <p>Personal protection</p> <p>Eye protection : Use chemical splash goggles. For continued or severe exposure wear a face shield over the goggles.</p> <p>Hand protection : Use chemical-resistant, impervious gloves.</p> <p>Skin protection : Use suitable protective equipment.</p> <p>Respiratory protection : A respirator is not needed under normal and intended conditions of product use.</p> <p>Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.</p>	<p>Product AS SOLD</p>	<p>Product AT USE DILUTION</p> <p>Good general ventilation should be sufficient to control worker exposure to airborne contaminants.</p> <p>No protective equipment is needed under normal use conditions.</p> <p>No protective equipment is needed under normal use conditions.</p> <p>No protective equipment is needed under normal use conditions.</p> <p>A respirator is not needed under normal and intended conditions of product use.</p>
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Section 9. Physical and chemical properties

<p>Physical state : Liquid.</p> <p>Color : Red</p> <p>Odor : disinfectant</p> <p>pH : 7.7 (100%)</p> <p>Flash point : > 100°C</p> <p>Explosion limits : Not available.</p> <p>Flammability (solid, gas) : Not available.</p> <p>Melting point : Not available.</p> <p>Boiling point : 100°C (212°F)</p> <p>Evaporation rate (butyl acetate = 1) : Not available.</p> <p>Vapor pressure : Not available.</p> <p>Vapor density : Not available.</p>	<p>Product AS SOLD</p>	<p>Product AT USE DILUTION</p> <p>Liquid.</p> <p>Red [Light] disinfectant</p> <p>8.64 [Conc. (% w/w): 100%] > 100°C</p>
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Section 9. Physical and chemical properties

Relative density : 0.998 (Water = 1)
Solubility : Easily soluble in the following materials: cold water and hot water.
Partition coefficient: n-octanol/water : Not available.
Auto-ignition temperature : Not available.
Decomposition temperature : Not available.
Odor threshold : Not available.
Viscosity : Not available.

Section 10. Stability and reactivity

Product AS SOLD
Stability : The product is stable.
Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid : No specific data.
Materials to avoid : Not available.
Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Route of exposure : Skin contact, Eye contact, Inhalation, Ingestion

Product AS SOLD
Symptoms
Eye contact : Adverse symptoms may include the following:
 pain
 watering
 redness
Skin contact : Adverse symptoms may include the following:
 pain or irritation
 redness
 blistering may occur
Inhalation : Adverse symptoms may include the following:
 coughing
 Respiratory tract irritation
Ingestion : Adverse symptoms may include the following:
 stomach pains
Acute toxicity
Eye contact : Causes serious eye damage.
Skin contact : Causes severe burns.
Inhalation : May cause respiratory irritation.
Ingestion : Harmful if swallowed. May cause burns to mouth, throat and stomach.

Product AT USE DILUTION
 Adverse symptoms may include the following:
 irritation
 watering
 redness
 No specific data.
 No specific data.
 No specific data.
 Causes eye irritation.
 No known significant effects or critical hazards.
 No known significant effects or critical hazards.
 No known significant effects or critical hazards.

Toxicity data
Product/ingredient name

Section 11. Toxicological information

quaternary ammonium compounds, benzyl- c12-c16-alkyldimethyl, chlorides	LD50 Dermal	Rabbit	3340 mg/kg
	LD50 Oral	Rat	344 mg/kg
	LC50 Inhalation	Rat	0.07 mg/l
1-decanaminium, n,n-dimethyl-n-octyl-, chloride	Dusts and mists		
	LD50 Dermal	Rabbit	2930 mg/kg
	LD50 Oral	Rat	238 mg/kg
ethanol	LC50 Inhalation	Rat	117 mg/l
	Vapor		
	LD50 Dermal	Rabbit	15800 mg/kg
	LD50 Oral	Rat	10470 mg/kg
didecyldimethylammonium chloride	LC50 Inhalation	Rat	0.07 mg/l
	Dusts and mists		
	LD50 Dermal	Rabbit	2930 mg/kg
	LD50 Oral	Rat	1150 mg/kg

Chronic toxicity
Carcinogenicity : No known significant effects or critical hazards.
Mutagenicity : No known significant effects or critical hazards.
Teratogenicity : No known significant effects or critical hazards.
Developmental effects : No known significant effects or critical hazards.
Fertility effects : No known significant effects or critical hazards.

Section 12. Ecological information

Product AS SOLD
Ecotoxicity : This material is toxic to aquatic life.

Aquatic and terrestrial toxicity

Product/ingredient name	Result	Species	Exposure
Not available.			

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : Avoid disposal. Attempt to use product completely in accordance with intended use. Disposal should be in accordance with applicable regional, national and local laws and regulations.	Product AS SOLD	Product AT USE DILUTION Diluted product can be flushed to sanitary sewer. Discard empty container in trash.
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Section 14. Transport information

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

DOT
DOT Classification : Not regulated.
IMO/IMDG
IMO/IMDG Classification : Not regulated.
 For transport in bulk, see shipping documents for specific transportation information.

Product AT USE DILUTION
 Not intended for transport.

Section 15. Regulatory information

Product AS SOLD

U.S. Federal regulations

TSCA 8(b) inventory : All components are listed or exempted.

EPA Registration No. : 1677-198

SARA 302/304/311/312 extremely hazardous substances: No listed substance

SARA 302/304 emergency planning and notification: No listed substance

SARA 313 Product name CAS number Concentration

Form R - Reporting requirements : No listed substance

California Prop. 65 : No listed substance

Section 16. Other information

Product AS SOLD

Hazardous Material Information System (U.S.A.) :

Health	* 3
Flammability	0
Physical hazards	0

National Fire Protection Association (U.S.A.) :



Product AT USE DILUTION

Health	1
Flammability	0
Physical hazards	0



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1-800-352-5326

Notice to reader
The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.